

Serial Number: 10/604,756
Filed: 8/14/2003

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Remarks

Further to a Telephonic Interview with the Examiner on October 5, 2005, Applicant submitted an interview summary to the fax number provided by the Examiner, (571) 273-1817. The interview summary has not appeared in the PAIR image file wrapper, therefore a copy of same is attached hereto.

On November 11, 2005 the Examiner transmitted via fax an Official Action, without a coverage, which withdrew the Official Action dated September 8, 2005. The November 11, 2005 Official Action references a telephone interview on October 12, 2005. The correct date of the Interview is October 5, 2005, as referenced herein above. The November 11, 2005 Official Action has not appeared in the PAIR image file wrapper, therefore a copy of same is attached hereto.

The November 11, 2005 Official Action rejected claims 18-22 under 35 USC 103(a) as unpatentable over *Levy* in view of *Ellis*. The Examiner admits that *Levy* does not disclose the reflector and radome having interlocking peripheral structures configured such that the radome is joined to the reflector by mating the structures and rotating the radome relative the reflector and supplies *Ellis* therefore with the citation "see figures 4-22, col.3, lines 59-67 to col. 11, lines 1-34".

Applicant has closely reviewed the cited reference, and the Examiner's citation in particular and respectfully submits that *Ellis* does not include any disclosure, teaching or suggestion of interlocking peripheral structures configured such that the radome is joined to the reflector by mating these structures and rotating the radome relative the reflector, as claimed. Applicant has previously requested a specific citation of what structures in *Ellis* the Examiner believes meet the claim elements. No response has been received from the Examiner. In fact, the terms "rotate", "rotation" and or "rotating" appear only twice in *Ellis*, once with respect to installing a screw by rotation and again regarding disclosure that *Ellis* has mounting clamp members 232/234 (screws) which may be applied to prevent rotation of the radome relative to the reflector, *after* the mounting of the radome

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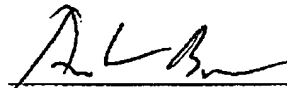
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upon the reflector has occurred (col 10, ln 19-39; fig. 13). Because the cited references fail to disclose, teach or suggest each and every claim element, rejection of claims 18-22 under 35 USC 103(a) is improper.

Applicant acknowledges with appreciation the Examiners indication that claims 1-17 have been allowed.

Having obviated each of the Examiners rejections, applicant respectfully requests that a notice of allowance be issued. Should the Examiner be inclined to issue an Official Action other than the notice of allowance, applicant respectfully requests that the Examiner first contact applicant by telephone at the number listed below.

Respectfully submitted,



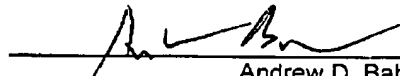
Andrew Babcock, Esq.
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/Encl: 11/11/05 OA, 10/5/05 Interview Summary.

CERTIFICATE OF TRANSMISSION

*I hereby certify that this correspondence is being facsimile transmitted to the
U.S. Patent and Trademark Office (Fax No 571 273-8300) on November 28, 2005.*



Andrew D. Babcock

Office Action Summary	Application No.	Applicant(s)	
	10/604,756	SYED ET AL.	
	Examiner	Art Unit	
	Minh D A	2821	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on 9/18/05.

2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) 1-22 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☒ Claim(s) 1-17 is/are allowed.

6) ☒ Claim(s) 18-22 is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some * c) ☐ None of:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____

4) ☒ Interview Summary (PTO-413)
Paper No(s)/Mail Date: 10/12/05

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____

U.S. Patent and Trademark Office
PTOL-326 (Rev. 1-04)

Office Action Summary

Part of Paper No./Mail Date 3

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0082-EIC

11/11/05 14:21 FAX 703 308 6087

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CENTRAL FAX CENTERApplication/Control Number: 10/604,756
Art Unit: 2821

NOV 28 2005

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Remarks**Interview Summary**

Substance of interview with Andrew Badcock on 10/12/05 with claims 1-22, the examiner agreed would render the claims 1-17 allowable and 18-22 are rejected. Therefore, the office action was mailed on 9/8/05 has been withdraw for reconsideration.

DETAILED ACTION**Claim Rejections - 35 USC § 103**

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 18-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over by Levy (US 4,581,615) in view of Ellis et al (US 6,191,753).

Regarding claims 18 and 20-22, Levy discloses an antenna comprising: a feed ; a reflector (11)', and a radome (10) adapted to cover said reflector.

Levy does not disclose the reflector (11) and radome (11) having interlocking peripheral structures configured such that said radome is joined to said reflector by mating said structures and rotating said radome relative to said reflector.

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11/11/05 14:22 FAX 703 308 6097

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However, Ellis discloses the cover assembly (320) having interlocking peripheral structures configured such that said radome is joined to said reflector by mating said structures and rotating said radome relative to said reflector. See figures 4-22, col.3, lines 59-67 to col.11, lines 1-34.

It would have been an obvious to one of ordinary skill in the art at the time the invention was made to employ the cover assembly (320) having interlocking peripheral structures configured such that said radome is joined to said reflector by mating said structures and rotating said radome relative to said reflector such as that suggested by Ellis in the radome antenna of Levy in order to protect the antenna from ice, snow and wind.

Allowable Subject Matter

3. Claims 1-17 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

The prior art does not teach that, a central portion surrounded by an outer the central portion having a radius configured to focus a reflected component of an RF signal reflected by the reflector antenna to the vertex area; the outer portion having a radius greater than the central portion and the central portion consisting of a dielectric material in combination with all limitations recited in independent claim 1.

The prior art does not teach that, the radome adapted to cover an open end of the reflector a plurality of tabs formed proximate a periphery of the radome', the tabs

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configured to pass through a corresponding plurality of cut outs formed in a periphery of the reflector in combination with all limitations recited in independent claims 10 and 15.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Butle (US 6,437,757) and Desargant et al. (US 6,570,540) are cited to show a reflector antenna.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Minh A whose telephone number is (571) 272-1817. The examiner can normally be reached on M-F (5:30 -2:30 PM).

If attempts to reach the examiner by telephone is unsuccessful, the examiner's supervisor, Don Wong, can be reached on (571) 272-1834. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and (703) 872-9319 for final communications.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (571) 272-1553.

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Examiner

Minh A

Art unit 2821

10/10/05

NOV 28 2005

Interview Summary	Application No.		Applicant(s)	
	10/604,756		SYED ET AL.	
	Examiner		Art Unit	
	Minh D. A		2821	

All participants (applicant, applicant's representative, PTO personnel):

(1) Minh D. A. (3) _____

(2) Andrew Babcock. (4) _____

Date of Interview: 10/12/05.

Type: a) ☒ Telephonic b) ☐ Video Conference
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☐ No.
If Yes, brief description: _____

Claim(s) discussed: 1-22.

Identification of prior art discussed: 1-17.

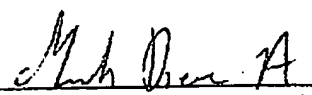
Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: the central portion consisting of a dielectric material and a plurality of tabs formed proximate a periphery of the radome in combination with all limitations recited in independent claims.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.


Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent and Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

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NOV 28 2005

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Junaid Syed
Serial No.: 10/604,756
Filed: 8/14/2003
For: Dual Radius Twist Lock Radome
and Reflector Antenna for Radome
Docket Number: 3017
Confirmation No.: 1755

Examiner: Minh, D A
Art Unit: 2821

APPLICANT / EXAMINER TELEPHONE INTERVIEW SUMMARY

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Oct. 5th
[Signature]
June 8, 2005

Sir:

Responsive to the Official Action Dated September 8, 2005 Applicant requested and the Examiner granted a telephone interview October 5, 2005.

During the interview, claims 1-22, currently rejected, were discussed. Applicant and Examiner reviewed specific limitations of the claims which Applicant argued and the Examiner agreed fail to appear, at least with respect to claims 1-17. Agreement on claims 18-22 was not reached.

Specific limitations of the currently cited prior art, identified by Applicant include:

- that the central portion of *Levy* includes a reflective surface.
- that the radome to reflector connection of both *Levy* and *Ellis* both fail to have any rotational aspect to their interlocking peripheral structures which attach the radome to the reflector.

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Filed: 8/14/2003

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The Examiner agreed to issue a revised official action indicating at least the allowance of claims 1-17 and, in view of the limitations now agreed to be absent from the currently cited prior art (with respect to claims 1-17), the detailed basis of any remaining rejections which the Examiner maintains after further consideration of the rejections to claims 18-22.

Respectfully submitted,



Andrew Babcock, Esq.
Attorney for Applicant
Registration Number 44517

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CERTIFICATE OF TRANSMISSION

*I hereby certify that this correspondence is being facsimile transmitted to the
U.S. Patent and Trademark Office (Fax No 571 273-1817) on October 5, 2005.*



Andrew D. Babcock